

Title (en)

ARRAY SOURCE LINE (AVSS) CONTROLLED HIGH VOLTAGE REGULATION FOR PROGRAMMING FLASH OR EE ARRAY

Title (de)

ÜBER EINE ARRAY-SOURCELEITUNG GESTEUERTE HOCHSPANNUNGSREGULIERUNG ZUR PROGRAMMIERUNG EINES FLASH- ODER EE-ARRAYS

Title (fr)

REGULATION HAUTE TENSION COMMANDEE PAR UNE LIGNE D'ALIMENTATION DE MATRICE (AVSS) POUR PROGRAMMATION D'UNE MATRICE DE MEMOIRE FLASH OU EE

Publication

**EP 1964126 A4 20091111 (EN)**

Application

**EP 06839989 A 20061121**

Priority

- US 2006061173 W 20061121
- US 28508905 A 20051121

Abstract (en)

[origin: US2007115728A1] A method for programming a Flash memory array comprises coupling at least one of a current source and a potential source to at least one selected bitline of a Flash memory array, monitoring a potential V<SUB>AVSS </SUB>of an array VSS line by means of a comparator, allowing the array VSS line to electrically float until the potential V<SUB>AVSS </SUB>is approximately equal to a reference potential V<SUB>ref</SUB>, and terminating the programming by de-coupling at least one of the current source and the potential source.

IPC 8 full level

**G11C 16/12** (2006.01); **G11C 16/34** (2006.01)

CPC (source: EP KR US)

**G11C 16/04** (2013.01 - KR); **G11C 16/12** (2013.01 - EP KR US); **G11C 16/14** (2013.01 - EP US); **G11C 16/30** (2013.01 - KR); **G11C 16/34** (2013.01 - KR); **G11C 16/344** (2013.01 - EP US); **G11C 16/3454** (2013.01 - EP US); **G11C 16/3477** (2013.01 - EP US); **G11C 16/3486** (2013.01 - EP US); **G11C 16/0433** (2013.01 - EP US)

Citation (search report)

- [X] US 6141253 A 20001031 - LIN CHIN-HIS [TW]
- [PA] US 2006114721 A1 20060601 - FRULIO MASSIMILIANO [IT], et al
- [A] US 6570787 B1 20030527 - WANG ZHIGANG [US], et al
- [A] US 6865110 B1 20050308 - PARK JAE-KWAN [KR]
- See references of WO 2007062378A2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**US 2007115728 A1 20070524; US 7339832 B2 20080304**; CN 101461009 A 20090617; EP 1964126 A2 20080903; EP 1964126 A4 20091111; JP 2009521775 A 20090604; KR 20080077216 A 20080821; TW 200737202 A 20071001; US 2008106949 A1 20080508; US 7460411 B2 20081202; WO 2007062378 A2 20070531; WO 2007062378 A3 20090122

DOCDB simple family (application)

**US 28508905 A 20051121**; CN 200680043551 A 20061121; EP 06839989 A 20061121; JP 2008541511 A 20061121; KR 20087015075 A 20080620; TW 95142387 A 20061116; US 2006061173 W 20061121; US 97159708 A 20080109